

Converting Colors

XYZ(56.6851, 68.9853, 43.1062)

Have a look what the booklet for
XYZ(56.6851, 68.9853, 43.1062)
contains.

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Color

**XYZ(56.7431, 68.9017,
43.1096)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E29F
RGB	198, 226, 159
RGB Percent	78%, 89%, 62%
CMY	0.2235, 0.1137, 0.3765
CMYK	0.12, 0.00, 0.30, 0.11
HSL	85°, 54%, 75%
HSV	85°, 30%, 89%
XYZ	56.7431, 68.9017, 43.1096
YIQ	209.9900, 4.8190, -26.7730

Conversions

Conversions Part 2

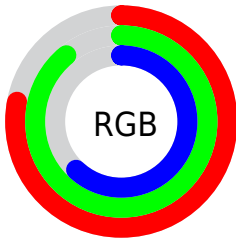
Format	Color
RYB	159, 226, 187
Decimal	13034143
CIELab	86.46, -20.61, 29.79
CIELCh	86, 36.220, 124.673
Yxy	68.9017, 0.3362, 0.4083
Android (android.graphics.Color)	4291224223 (0xFFC6E29F)
YUV	209.9900, -25.1381, -10.5152
Hunter-Lab	83.0070, -23.2408, 27.3128

Details

The XYZ color **56.7431, 68.9017, 43.1096** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.6219, 40.8540, 77.3837**, and the grayscale version is **61.4112, 64.6093, 70.3596**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **28.5444, 36.0270, 19.3594** is the 20% darker color. If you saturate the color by 10%, you get **52.5463, 66.9465, 33.5950**, and if you desaturate by 10%, it is **61.4574, 71.0864, 54.5229**.

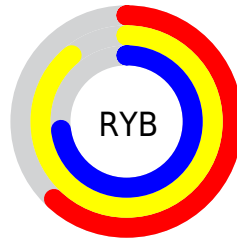
Distribution



Red (78%)

Green (89%)

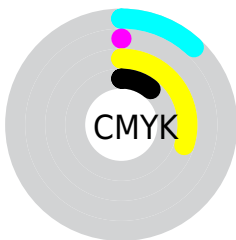
Blue (62%)



Red (62%)

Yellow (89%)

Blue (73%)

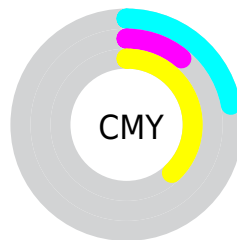


Cyan (12%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (22%)


Magenta (11%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7431, 68.9017, 43.1096 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.7431, 68.9017, 43.1096 by changing the saturation by 10% instead.


 56.7431, 68.9017,
43.1096


 56.7431, 68.9017,
43.1096


402.5157,
456.6842, 374.9968

 41.0384, 50.6317,
29.6391


 99.2238, 117.6412,
81.1644

 28.5369, 35.9156,
19.3151

 126.7304,
148.8794, 106.5857

 18.8733, 24.3690,
11.7191


158.9017,
185.2091, 136.8277

 11.6822, 15.6076,
6.4325

196.1030,
227.0147, 172.3089

 6.5983, 9.2469,
3.0368

238.6997,
274.6807, 213.4479

 3.2563, 4.9026,
1.1134


287.0572,

 1.2907, 2.1902,

328.5913, 260.6631


0.0000


341.5407,
389.1310, 314.3733


 0.1762, 0.7146,
0.0000


 0.0000, 0.0000,
0.0000


 56.7431, 68.9017,
43.1096


 56.7431, 68.9017,
43.1096


 52.5463, 66.9465,
33.5950

 61.4574, 71.0864,
54.5229


 48.8392, 65.2026,
25.8716

 66.7047, 73.5003,
67.9259

 45.5994, 63.6628,
19.8278

 72.5063, 76.1544,
83.4090

 42.8000, 62.3162,
15.3378

 78.8806, 79.0565,
101.0555

■ 40.4108, 61.1502,
12.2580

■ 82.9847, 81.0697,
105.8820

■ 38.3961, 60.1502,
10.4182

■ 86.3692, 82.8145,
106.0404

■ 36.6988, 59.2930,
9.5334

■ 86.4878, 82.8756,
106.0459

■ 36.6423, 59.2644,
9.5079

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1849, 68.9017, 37.7866



56.7431, 68.9017, 43.1096



51.9772, 68.9017, 56.9618

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.7431, 68.9017, 43.1096



58.8349, 68.9017, 124.9433



82.8977, 68.9017, 71.3249

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.7431, 68.9017, 43.1096



46.6219, 40.8540, 77.3837

Split Complementary

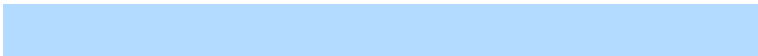
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1603, 68.9017, 96.5458



56.7431, 68.9017, 43.1096



66.8106, 68.9017, 131.0570

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.7431, 68.9017, 43.1096



53.1107, 68.9017, 104.4572



75.0903, 68.9017, 119.7348



79.6550, 68.9017, 51.7121

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7431, 68.9017, 43.1096



50.7195, 68.9017, 70.8190



75.0903, 68.9017, 119.7348



82.8789, 68.9017, 79.3886

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.7449, 68.9047, 43.1111



88.1312, 96.8349, 90.4272



55.3773, 54.1797, 40.3409



18.6365, 20.6224, 18.7616



0.0000, 0.0000, 0.0000



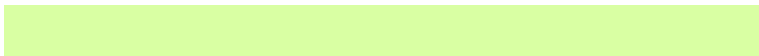
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7449, 68.9047, 43.1111



70.8946, 88.8668, 48.1608



48.8870, 64.8539, 42.7433



14.2892, 15.7293, 14.5897



21.0416, 33.8798, 5.4305



1.5598, 2.4006, 0.3812

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.6219, 40.8540, 77.3837



55.4233, 45.9820, 100.5620



55.7697, 45.5699, 77.8118



13.4922, 13.5218, 17.2865



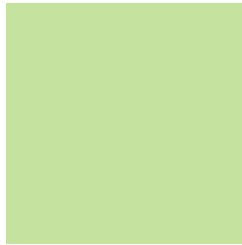
10.6203, 4.5703, 41.3708



0.8364, 0.3685, 2.8723

Previews

White Background



This preview shows how the XYZ color 56.7431, 68.9017, 43.1096 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 56.7431, 68.9017, 43.1096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

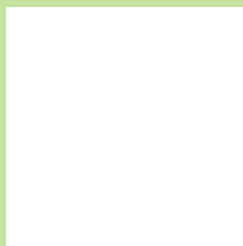
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7431, 68.9017, 43.1096

Background



This preview shows how black text looks on a background with the XYZ color 56.7431, 68.9017, 43.1096.

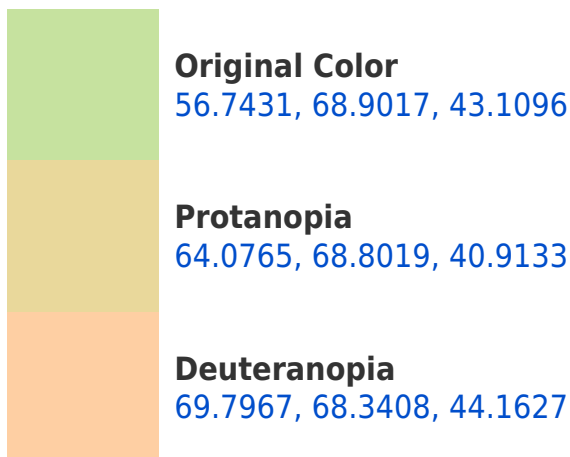


This preview shows how white text looks on a background with the XYZ color 56.7431, 68.9017,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

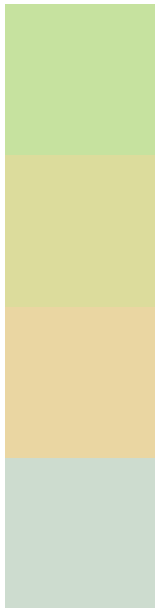




Tritanopia

65.7016, 68.6076, 87.6216

Trichromacy



Original Color

56.7431, 68.9017, 43.1096

Protanomaly

61.1091, 68.8023, 41.5119

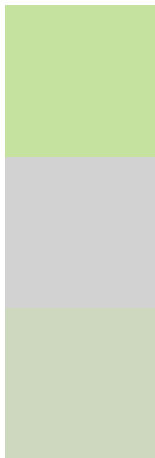
Deuteranomaly

64.4998, 68.1942, 43.9457

Tritanomaly

62.0325, 68.6705, 69.0168

Monochromacy



Original Color

56.7431, 68.9017, 43.1096

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.4134, 65.9951, 58.8971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7431, 68.9017, 43.1096 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 226, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 226, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 226, 159) }
```

Border

The CSS property to change the border of an element to XYZ 56.7431, 68.9017, 43.1096 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 226, 159) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 226, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 226, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 226, 159);  
box-shadow:4px 4px 4px 4px rgb(198, 226,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7431, 68.9017, 43.1096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 226, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
226, 159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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